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(54) Title: MOLDED ARTICLE WITH METAL REINFORCING AND METHOD FOR ITS MANUFACTURE

(57) Abstract: A composite article (10) comprises a channel-shaped metal reinforcing element (12) and molded plastic shell (14) including a portion formed as a wall (18) mechanically closing the open side of the channel shape. The reinforcing element may include a plurality of open channels (46) each of them being closed by a portion of the plastic coating. Constructive elements (50) comprising at least two such composite articles may be manufactured, for example a flat panel made of parallel elongated beams. A method for manufacturing the composite article in an assembly mold (70) includes inserting a mold core (20) in the metal reinforcing element (12) via the open side of the channel transversely to the channel axis, assembling all parts of the mold, molding of the plastic coating (14), disassembling the mold; and removing the mold core from the composite article in direction parallel to the channel axis.

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